



This document includes Appendix A: Adjustment of Cost Estimates to 1999 \$ LHD 1 Representative Vessel Class, of the Draft EPA Report "Surface Vessel Bilgewater/Oil Water Separator Feasibility Impact Analysis Report" published in 2003. The reference number is: EPA-842-D-06-019

**DRAFT**  
**Feasibility Impact Analysis Report**  
**Surface Vessel Bilgewater/Oil Water**  
**Separator**

Appendix A: Adjustment of Cost Estimates to 1999 \$ LHD 1  
Representative Vessel Class

2003

## Appendix A – Adjustment of Cost Estimates to 1999 \$

**LHD-1 Representative Vessel Class**

<b>Cost Estimate Description</b>	<b>Estimate Base-Year</b>	<b>Estimate in Base-Year \$</b>	<b>Price Adjustment Factor<sup>1</sup></b>	<b>Estimate Adjusted to 1999 \$</b>	<b>Estimate (Adj) in Sig.Figs.</b>
Centrifuge Procurement Cost	2000	936,000	.966	904,176	904,000
Centrifuge Installation Cost	2000	247,000	.966	238,602	238,600
Centrifuge Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Centrifuge Technical Drawing Cost	2000	35,000	.966	33,810	33,810
Centrifuge Training Material Cost	2001	10,000	.933	9,330	9,330
Hydrocyclone Procurement Cost	2000	64,000	.966	61,824	62,000
Hydrocyclone Installation Cost	2000	128,400	.966	124,034.4	124,000
Hydrocyclone Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Hydrocyclone Technical Drawing Cost	2000	26,000	.966	25,116	25,120
Hydrocyclone Training Material Cost	2001	10,000	.933	9,330	9,330
Filter Media Procurement Cost	1997	75,000	1.045	78,375	78,380
Filter Media Installation Cost	2000	155,700	.966	150,406.2	150,400
Filter Media Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Filter Media Technical Drawing Cost	2000	21,000	.966	20,286	20,290

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<b>Cost Estimate Description</b>	<b>Estimate Base-Year</b>	<b>Estimate in Base-Year \$</b>	<b>Price Adjustment Factor<sup>1</sup></b>	<b>Estimate Adjusted to 1999 \$</b>	<b>Estimate (Adj) in Sig.Figs.</b>
Filter Media Training Material Cost	2001	10,000	.933	9,330	9,330
UF Membrane Procurement Cost	1999	600,000	1.0	600,000	600,000
UF Membrane Installation Cost	2000	332,000	.966	320,712	320,700
UF Membrane Technical Manual Cost	1999	85,000	1.0	85,000	85,000
UF Membrane Technical Drawing Cost	2000	64,000	.966	61,824	61,820
UF Membrane Training Material Cost	2001	10,000	.933	9,330	9,330

1. Consumer Price Index - All Urban Consumers, not seasonally adjusted, U.S. city average, all items. Data extracted on May 23, 2001 from Bureau of Labor Statistics <<http://stats.bls.gov/cpihome.html>>.